

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 12-2004)

ATTORNEY'S DOCKET NUMBER

RLL-296WO

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

107530589

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

INTERNATIONAL APPLICATION NO.

PCT/IB2003/004439

INTERNATIONAL FILING DATE

08 October 2003

PRIORITY DATE CLAIMED

08 October 2002

TITLE OF INVENTION

PROCESS FOR THE PREPARATION OF (Z)-ISOMER ENRICHED  
7-AMINO-3-PROPEN-1-YL-3-CEPHEM-4-CARBOXYLIC ACID

APPLICANT(S) FOR DO/EO/US

KUMAR et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
20. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV 674776288 US
23. ☒ Other items or information:

Certificate of Express Mailing  
Return Postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|  |              |  |                        |  |            |
|--|--------------|--|------------------------|--|------------|
| U.S. APPLICATION NO. (known sheet) <b>107530589</b>  |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/IB2003/004439</b>              |                        | ATTORNEY'S DOCKET NUMBER<br><b>RLL-296WO</b> |            |
| 24. The following fees are submitted:  |              |  |                        | Applicant use                                | Office use |
| <input checked="" type="checkbox"/> a) Basic national fee ..... \$300.00   |              |  |                        | \$ 300.00                                    |            |
| <input checked="" type="checkbox"/> b) Examination fee ..... \$200.00  |              |  |                        | \$ 200.00                                    |            |
| <input checked="" type="checkbox"/> c) Search fee ..... \$500.00   |              |  |                        | \$ 500.00                                    |            |
| <b>TOTAL OF ABOVE CALCULATIONS = \$1000.00</b>   |              |  |                        | \$ 1,000.00                                  |            |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |  |                        |  |            |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE                   |  |            |
| - 100 =  | /50 =        |  | x \$250.00             | \$ 0.00                                      |            |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |                        | \$   |            |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE                   |  |            |
| Total claims   | 31 - 20 =    | 11   | x \$50.00              | \$ 550.00                                    |            |
| Independent claims   | 1 - 3 =      | 0  | x \$200.00             | \$ 0.00                                      |            |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00  |              |  |                        | \$ 0.00                                      |            |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |  |                        | \$ 1,550.00                                  |            |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |                        | \$ 0.00                                      |            |
| <b>SUBTOTAL =</b>  |              |  |                        | \$ 1,550.00                                  |            |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |  |                        | \$ 0.00                                      |            |
| <b>TOTAL NATIONAL FEE =</b>  |              |  |                        | \$ 1,550.00                                  |            |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +  |              |  |                        | \$ 0.00                                      |            |
| <b>TOTAL FEES ENCLOSED =</b>   |              |  |                        | \$ 1,550.00                                  |            |
| Amount to be refunded:   |              |  |                        | \$   |            |
| Amount to be charged:  |              |  |                        | \$   |            |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.   |              |  |                        |  |            |
| b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>50-0912</u> in the amount of <u>\$1,550.00</u> to cover the above fees. A duplicate copy of this sheet is   |              |  |                        |  |            |
| c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0912</u> . A duplicate copy of this sheet is enclosed.                                |              |  |                        |  |            |
| d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.        |              |  |                        |  |            |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.  |              |  |                        |  |            |
| SEND ALL CORRESPONDENCE TO:  |              |  | <i>William D. Hare</i> |  |            |
| Jayadeep R. Deshmukh   |              |  | SIGNATURE              |  |            |
| Reg. No. 34,507  |              |  | William D. Hare        |  |            |
| Customer No. 26815   |              |  | NAME                   |  |            |
|  |              |  | 44,739                 |  |            |
|  |              |  | REGISTRATION NUMBER    |  |            |

10/530589

RLL-296US

JCOG Rec'd PCT/PTO 07 APR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: KUMAR *et al.*  
International Application No. PCT/IB2003/004439  
International Filing Date: 8 October 2003  
Title: PROCESS FOR THE PREPARATION OF (Z)-ISOMER  
ENRICHED 7-AMINO-3-PROPEN-1-YL-3-CEPHEM-4-  
CARBOXYLIC ACID

CERTIFICATE OF EXPRESS MAILING

I hereby certify that the following correspondence:

- Transmittal Letter to the DO/EO/US Concerning a Submission Under 371
- Unexecuted Declaration And Power of Attorney for Patent Application
- International Search Report
- International Preliminary Examination Report
- Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on April 7, 2005.

Michelle Morgan

Name of Person Mailing Correspondence

Michelle Morgan  
Signature

EV 674776288 US

"Express Mail" Mailing Label Number

EV674776288US